

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1299578

Luminaire Tested: P3A17R20W2N902750DE010 E3PHLD1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R20W2N902750DE010 E3PHLD1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

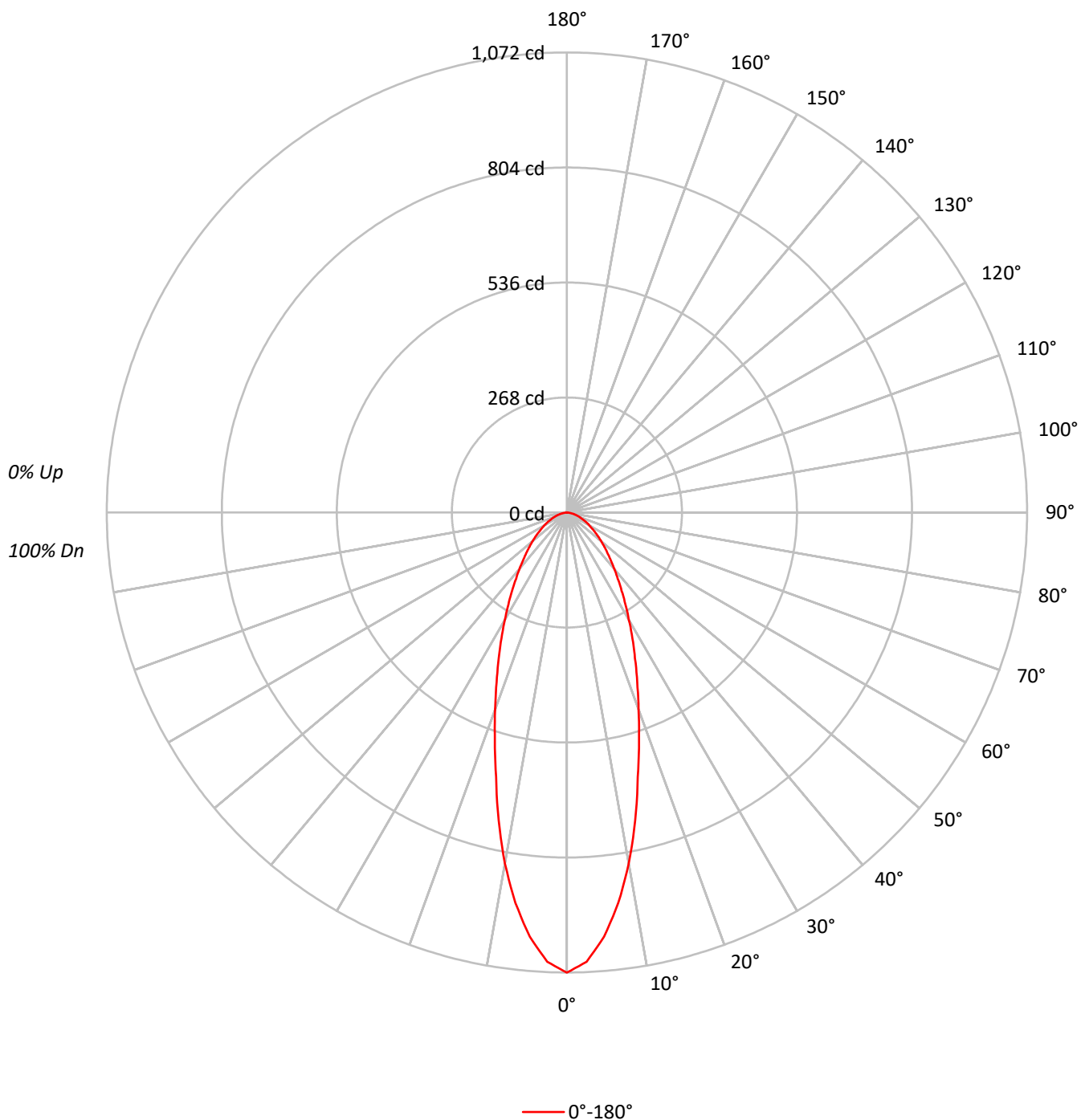
Lumens per Lamp: N/A
Luminaire Lumens: 829.0 lumens
Efficiency: N/A
Efficacy: 42.7 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	112	108	105	102	109	106	103	101	102	100	97		98	96	95		95	93	92		90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	85	82		80
3	98	90	83	78	95	88	82	78	85	81	77		83	79	75		80	77	74		72
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75	71	67		66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70	65	62		60
6	81	70	63	58	79	70	63	58	68	62	58		66	61	57		65	60	57		55
7	76	66	59	54	75	65	58	53	63	58	53		62	57	53		61	56	53		51
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	53	49		47
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54	49	46		44
10	65	54	48	43	64	54	48	43	53	47	43		52	47	43		51	46	43		41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	235113
5°	218401
10°	184944
15°	144768
20°	113947
25°	90804
30°	73049
35°	59535
40°	49235
45°	41493
50°	35581
55°	30546
60°	26665
65°	23453
70°	20067
75°	17707
80°	13133
85°	8806

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 41493 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	10.8
10°-20°	178.5	21.5
20°-30°	173.4	20.9
30°-40°	140.1	16.9
40°-50°	104.1	12.6
50°-60°	72.3	8.7
60°-70°	45.3	5.5
70°-80°	22.0	2.7
80°-90°	3.8	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	441.5	53.3
0°-40°	581.5	70.1
0°-60°	757.9	91.4
0°-90°	829.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	829.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1072	
5°	992	90
15°	638	179
25°	375	173
35°	222	140
45°	134	104
55°	80	72
65°	45	45
75°	21	22
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1072.2
2.5°	1047.8
5°	992.2
7.5°	917.5
10°	830.6
12.5°	735.0
15°	637.7
17.5°	557.8
20°	488.3
22.5°	427.5
25°	375.3
27.5°	330.2
30°	288.5
32.5°	253.7
35°	222.4
37.5°	194.6
40°	172.0
42.5°	151.2
45°	133.8
47.5°	118.2
50°	104.3
52.5°	92.1
55°	79.9
57.5°	69.5
60°	60.8
62.5°	53.9
65°	45.2
67.5°	38.2
70°	31.3
72.5°	26.1
75°	20.9
77.5°	15.6
80°	10.4
82.5°	5.2
85°	3.5
87.5°	0.0
90°	0.0

(END OF REPORT)